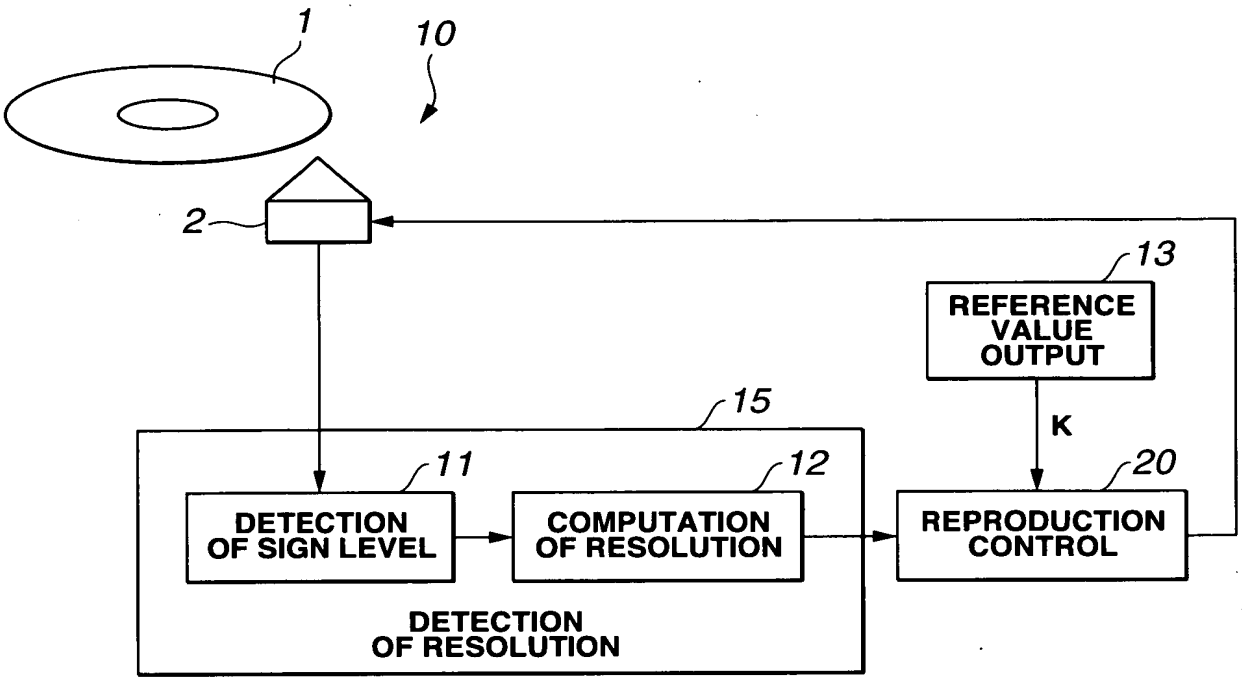

1
10
2
13
REFERENCE VALUE OUTPUT
K
15
11
12
20
DETECTION OF SIGN LEVEL
COMPUTATION OF RESOLUTION
REPRODUCTION CONTROL
DETECTION OF RESOLUTION

FIG.1

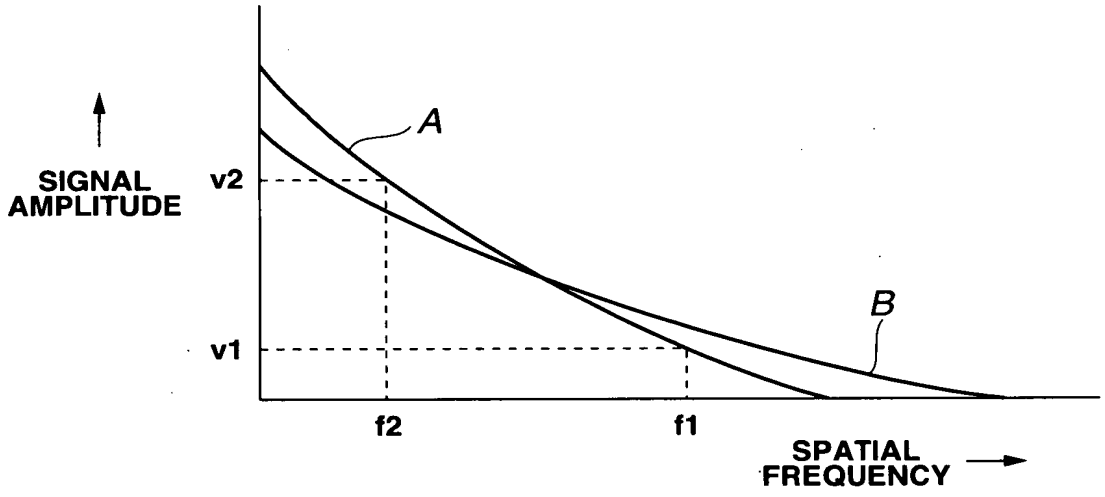

SIGNAL AMPLITUDE
v2
v1
A
B
f2
f1
SPATIAL FREQUENCY

FIG.2

FIG.3(A)

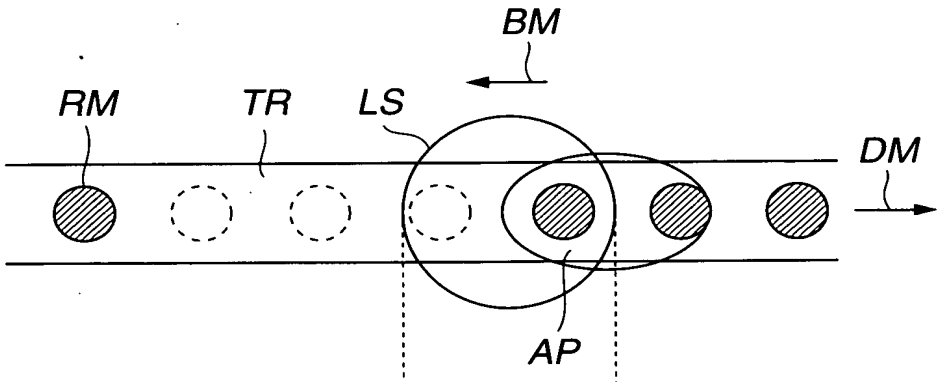
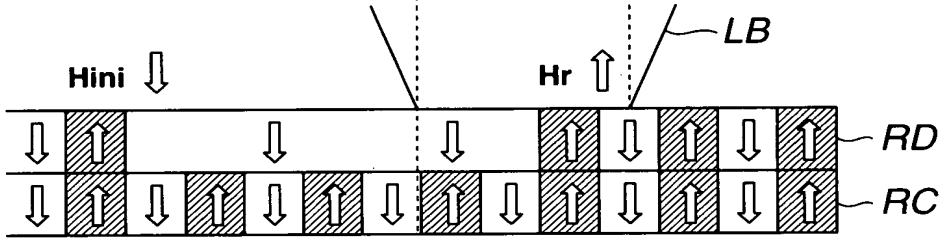


FIG.3(B)



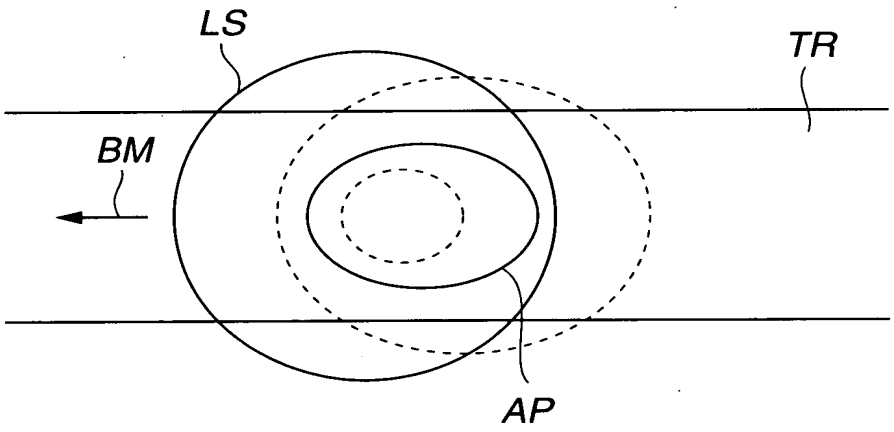


FIG.4

0017260 "EP00925960

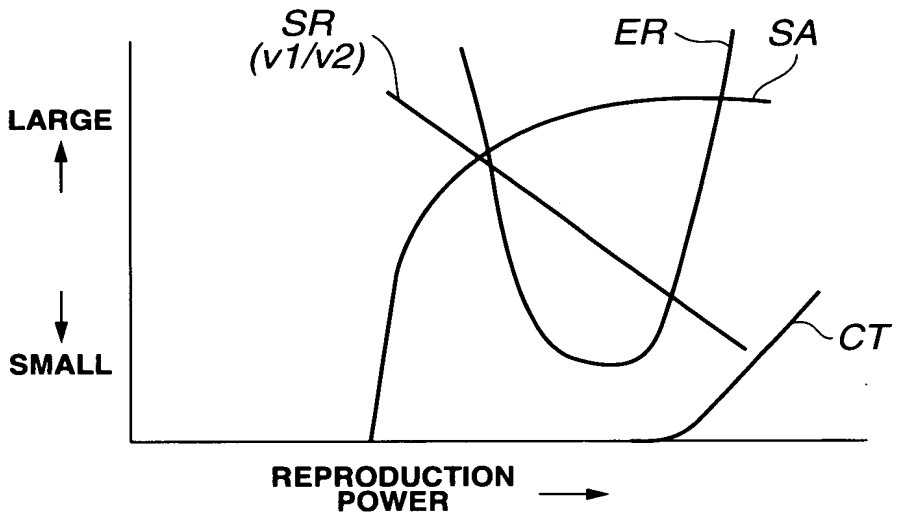


FIG.5

FIG.6(A)

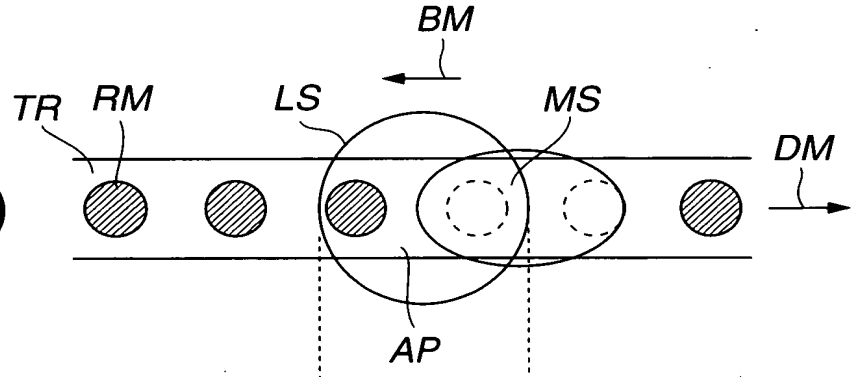
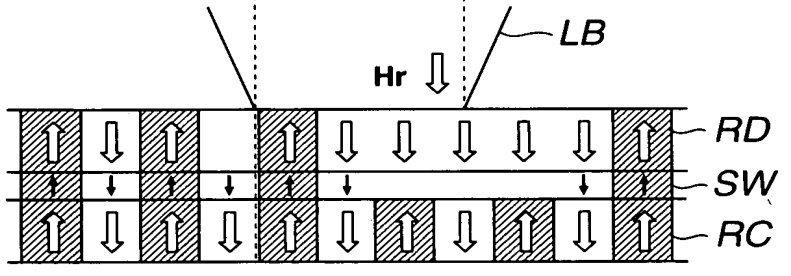


FIG.6(B)



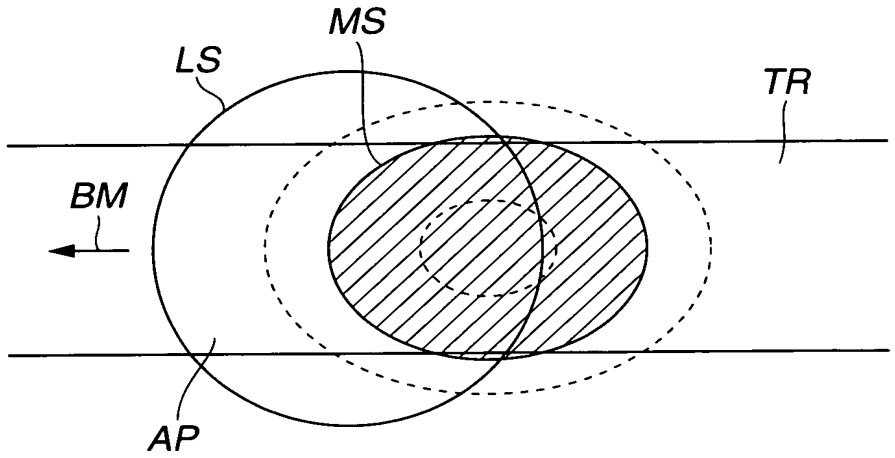


FIG.7

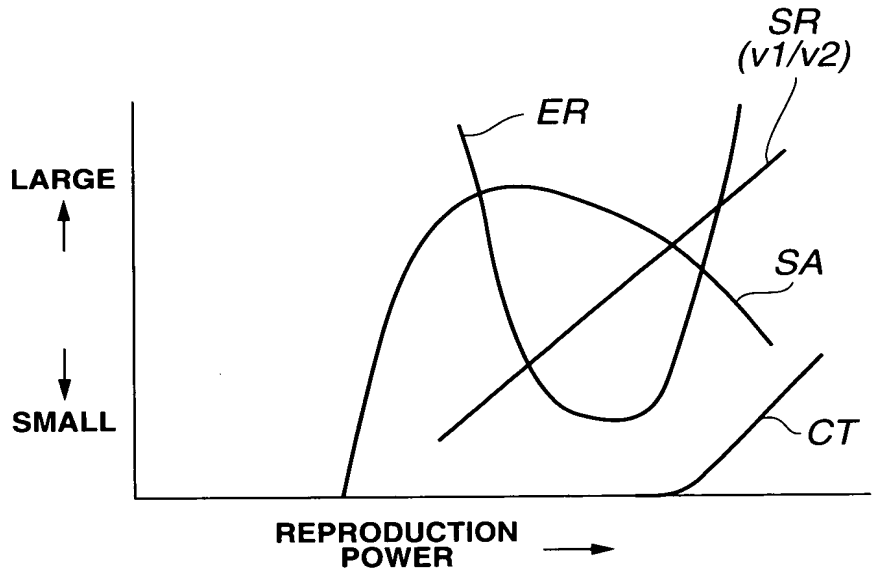


FIG.8

0007260 "EP0925569"

FIG.9(A)

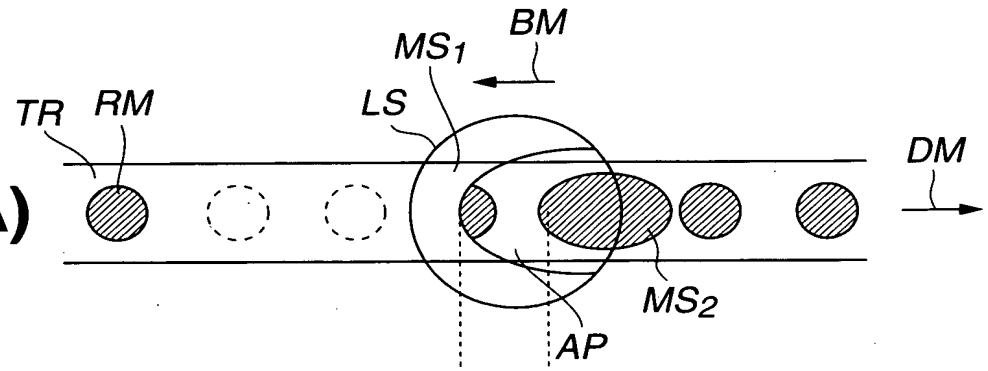
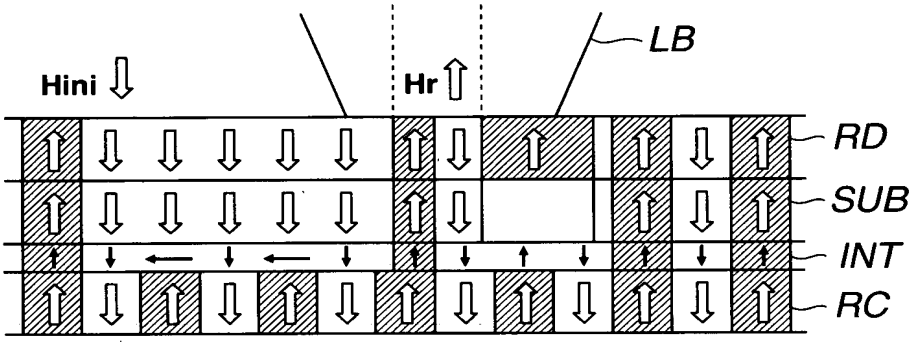


FIG.9(B)



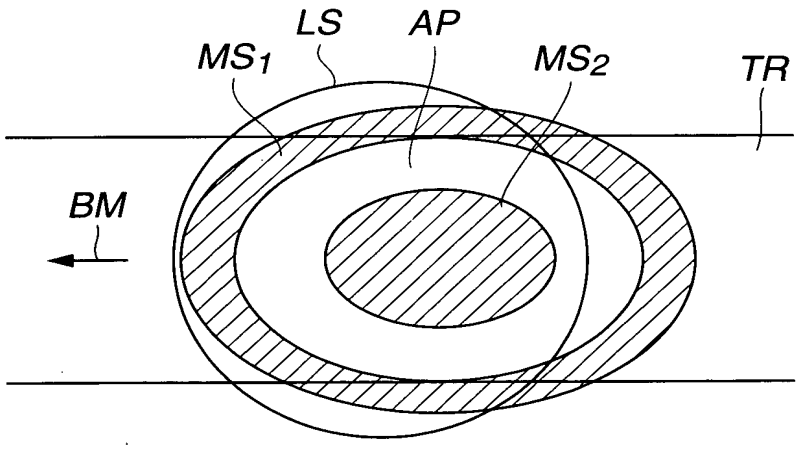


FIG.10

FIG.11(A) (P1)

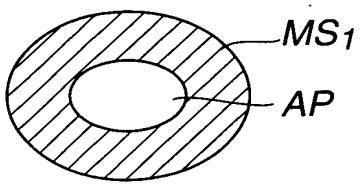


FIG.11(B) (P2)

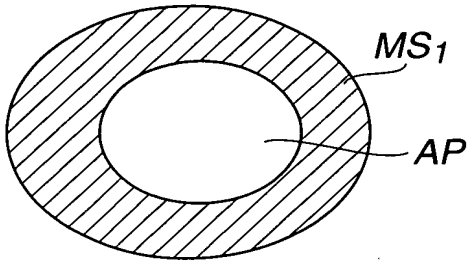
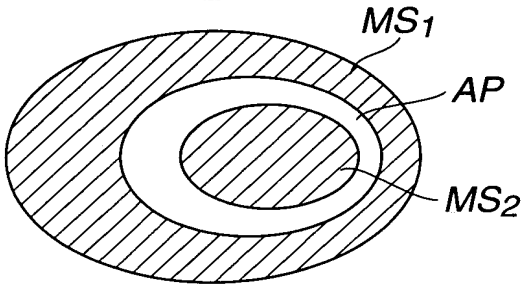


FIG.11(C) (P3)



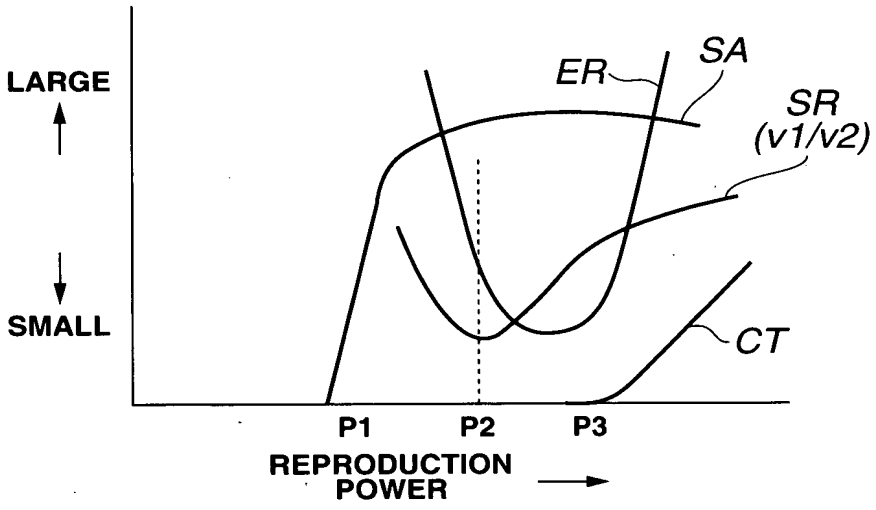


FIG.12

0007281 EP 0942360 A2

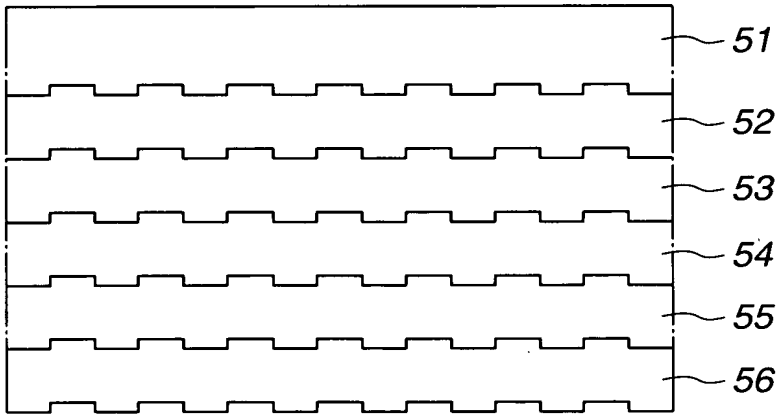


FIG.13

FIG.14(A)

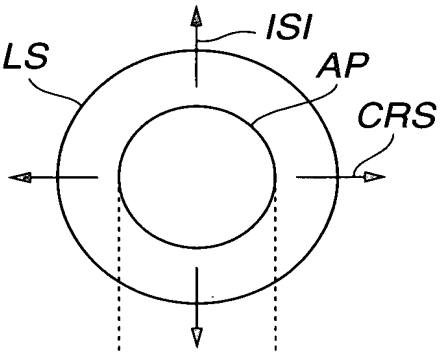


FIG.14(B)

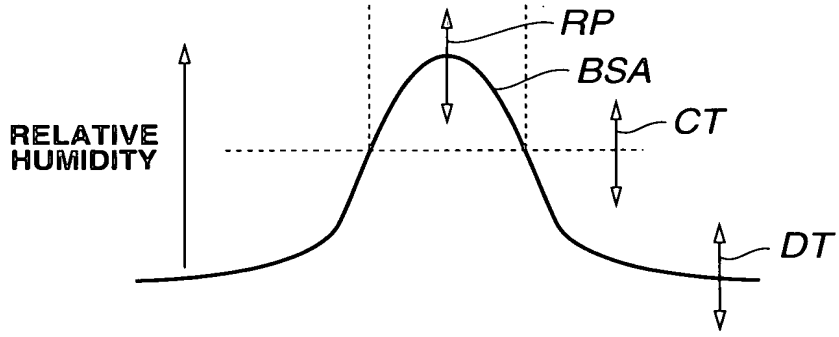


FIG.15(A)

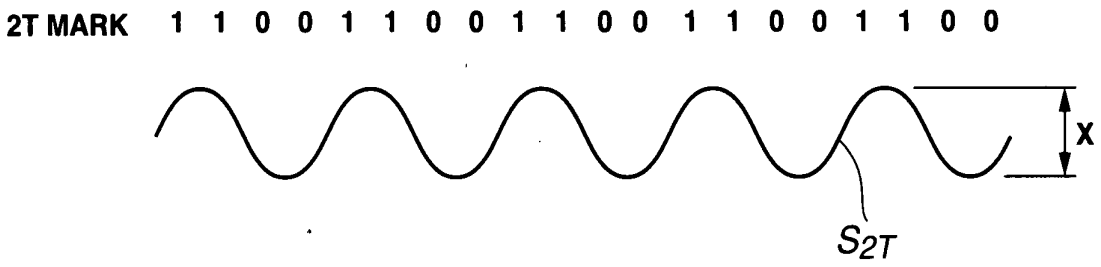


FIG.15(B)

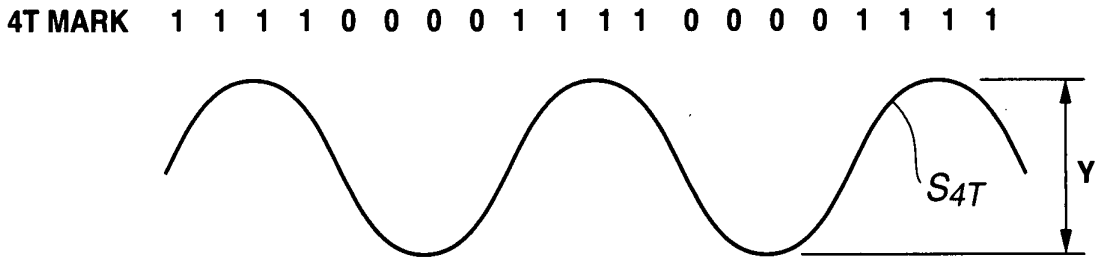


FIG.16(A) RECORDED DATA

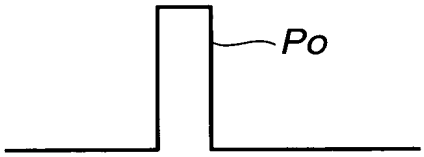


FIG.16(B) ISOLATION MARK

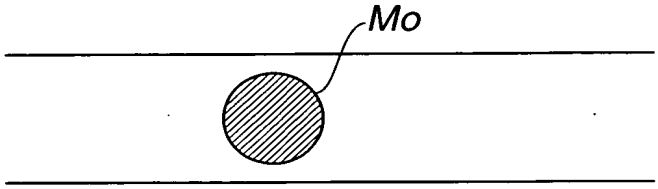
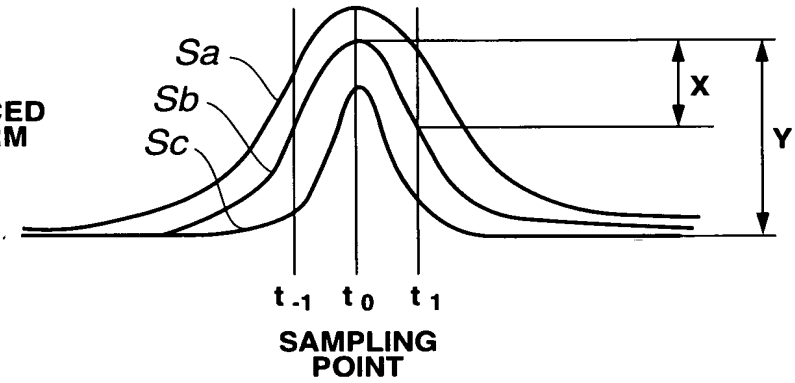


FIG.16(C) REPRODUCED WAVEFORM



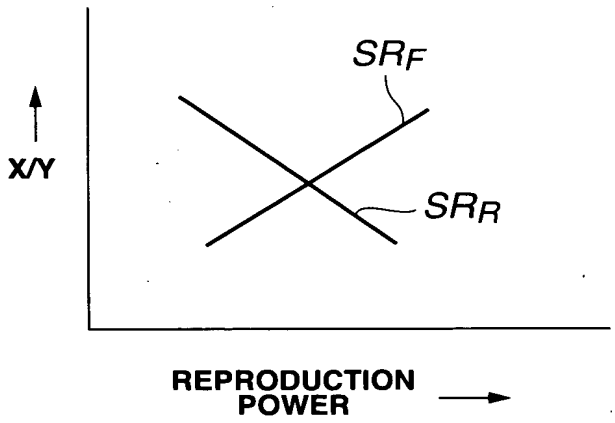


FIG.17

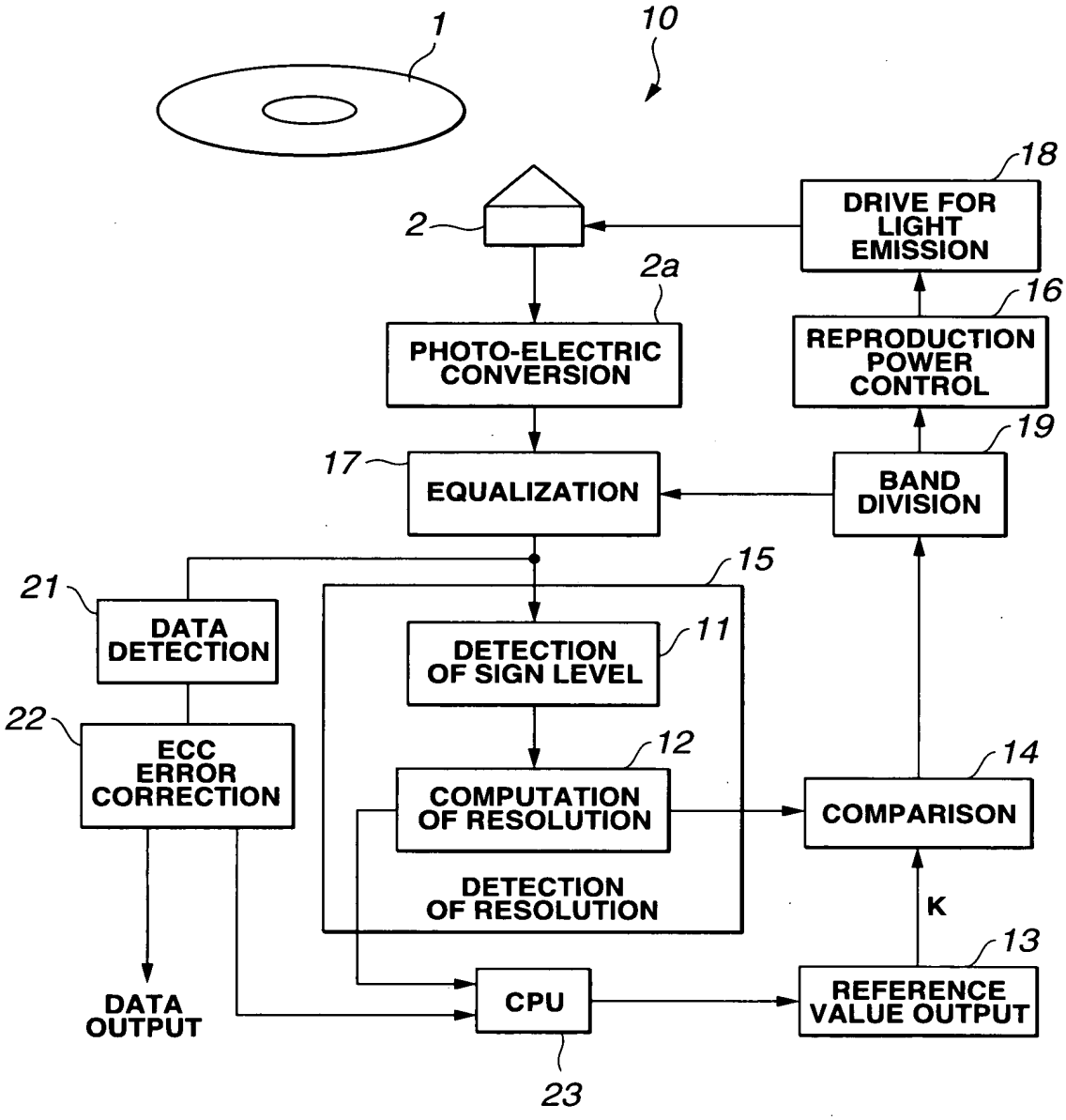

1
10
18
DRIVE FOR LIGHT EMISSION
2
2a
PHOTO-ELECTRIC CONVERSION
16
REPRODUCTION POWER CONTROL
19
17
EQUALIZATION
BAND DIVISION
15
21
DATA DETECTION
DETECTION OF SIGN LEVEL
11
22
ECC ERROR CORRECTION
12
COMPUTATION OF RESOLUTION
14
COMPARISON
DETECTION OF RESOLUTION
K
13
DATA OUTPUT
CPU
REFERENCE VALUE OUTPUT
23

FIG.18

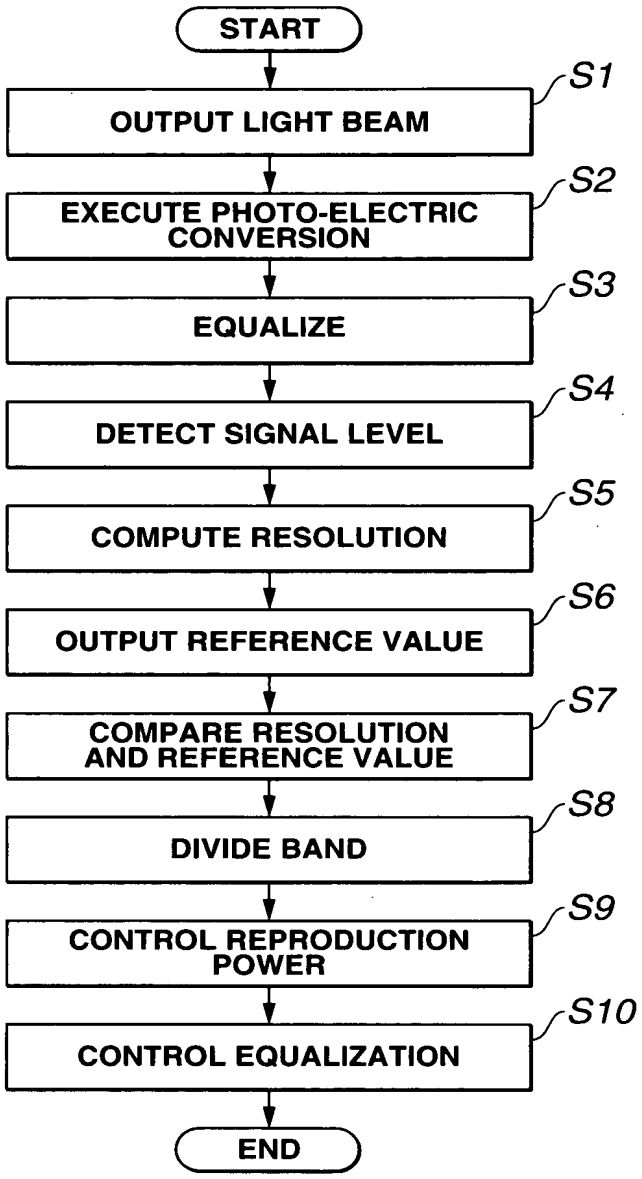

START
S1
OUTPUT LIGHT BEAM
S2
EXECUTE PHOTO-ELECTRIC CONVERSION
S3
EQUALIZE
S4
DETECT SIGNAL LEVEL
S5
COMPUTE RESOLUTION
S6
OUTPUT REFERENCE VALUE
S7
COMPARE RESOLUTION AND REFERENCE VALUE
S8
DIVIDE BAND
S9
CONTROL REPRODUCTION POWER
S10
CONTROL EQUALIZATION
END

FIG.19

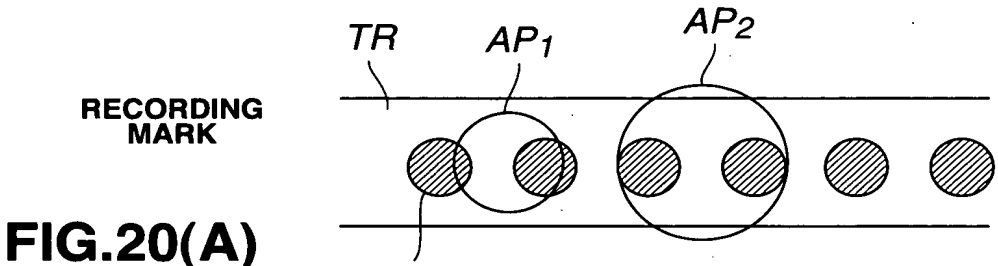


FIG.20(A)

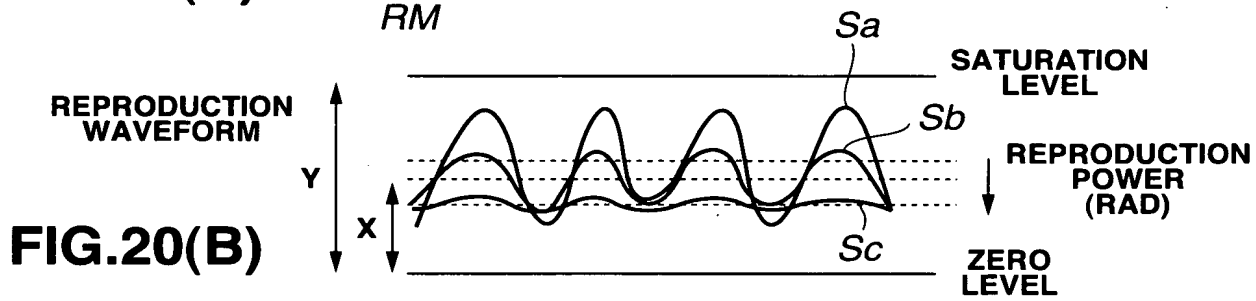


FIG.20(B)

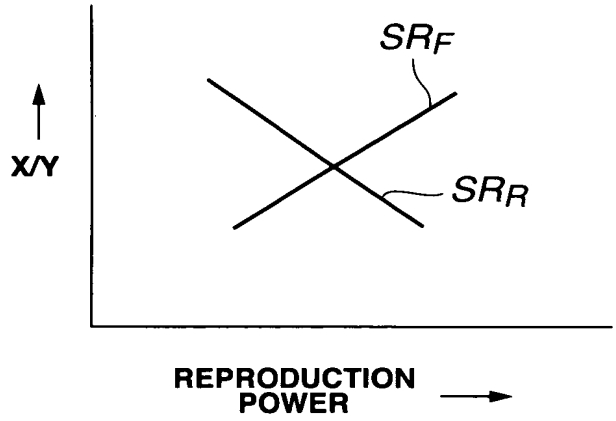


FIG.21